BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYAPURA DIVISION, YELAHANKA ZONE

Name of Work : Improvements to Roads of ward No 09 of Vidyaranyapura sub Division.

							Est Cost:	2000000.00	
SIN o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods (extra lead charges will be apid saparetly) complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	**Sqm**							
	Road Widenning		2	100.00	4.70	0.25	235.00		
							235.00	90.72	**21319.00**
	Basic rate	84.00							
	Add 8% AW	6.72							
		90.72							
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,**(P. No. 12 It No. 4.3 of PWD SR 2013-14)**	**Cum**							
			1	30.80	0.45	0.15	2.08		
			1	21.00	0.45	0.15	1.42		
			1	31.60	0.45	0.15	2.13		
			1	41.00	0.45	0.15	2.77		
							8.40	4290.84	**36030.00**
	Basic rate	3973.00							
	Add 8% AW	317.84							
		4290.84							
4	**Providing and laying cement concrete** using 20mm and down size granite course aggregates and fine aggregates of **ready mixed concrete for R.C.C works** laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement -320 Kg/Cum) **Page No. 19/ Item No. 4.49.1/ PWD SR 2013-14**	**Cum**							
	covering slabs over existing drain		1	110.00	1.20	0.10	13.20		
							13.20	6468.12	**85379.00**
	Basic rate	5989.00							
	Add 8% AW	479.12							
		6468.12							

SIN o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2:**Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 -do- for TMT Bars Fe 415 **page No. 19/ Item No. 4.46/ PWD SR 2013-14**	**qtl**							
			qty= lt no 7*80 kg/cum				10.56		
							10.56	7380.72	**77940.00**
	Basic rate	**6834.00**							
		546.72							
	Total	7380.72							
6	KSRB 5-14 : **Providing and constructing precast concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2013-14**	**sqm**							
			2	30.80		1.00	61.60		
			2	21.00		1.00	42.00		
			2	31.60		1.00	63.20		
			2	41.00		1.00	82.00		
							248.80	696.60	**173314.00**
	Basic rate	645.00							
	Add 8% AW	51.60							
		696.60							
	Total	**748.20**							
7	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M 15 withOPC cement** @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ **P.No. 12/ Item No. 4.6/ PWD SR 2013-14**	**Cum**							
			1	6.40	6.90	0.10	4.42		
			1	10.00	5.50	0.10	5.50		
			1	9.50	6.30	0.10	5.99		
			1	5.50	10.00	0.10	5.50		
							21.40	4779.00	**102275.00**
	Basic rate	4425.00							
	Add 8% AW	354.00							
		4779.00							

SIN o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4-6.3 : - Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thicknesss above 200mm including cost of all materials, labour complete as per specification KSRB **Page No. 17/ Item No. 4.30/ PWD SR 2013-14**	sqm							
	Over existing drain		1	110.00	1.20		132.00		
							132.00	354.24	**46760.00**
	Basic rate	328.00							
	Add 8% AW	26.24							
	Total	354.24							
49	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement / colour pigment etc., complete. **using 10mm thick black granit tiles Page No. 117 / Item No. 14.47.4 / PWD SR 2013-14**	Sqm							
			1	6.00	9.00		54.00		
			1	30.00	0.90		27.00		
			1	10.00	5.00		50.00		
			1	20.00	0.90		18.00		
			1	9.00	6.00		54.00		
			1	30.00	0.90		27.00		
			1	5.20	10.00		52.00		
			1	35.00	0.90		31.50		
							313.50	1559.26	**488828.00**
	Basic Rate	1471.00							
	Area Weightage @ 6%	88.26							
	Total	**1559.26**							
50	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **Page No. 175 / Item No. 21.3 / PWD SR 2013-14**	Sqm							
			2	110.00	4.00		**880.00**	72.79	**64057.00**
	Basic Rate	67.40							
	Area Weightage @ 8%	5.39							
	Total	**72.79**							
51	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P. 170 / I. 20.18) PWD SR - 2013-14.**	Cum							
			2	110.00	4.50	0.25	**247.50**	1121.04	**277457.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							

SINo	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
			2	110.00	4.50		**990.00**	10.53	**10425.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
13	KSRRB 500-5: providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 175 / Item No. 21.5 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 7				990.00	142.07	**140653.00**
	Basic Rate	131.55							
	Area Weightage @ 8%	10.52							
	Total	**142.07**							
14	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specificationsWith 60/70 grade bitumen using 40-60 HMP, **No. 178 / Item No. 21.20.4 / PWD SR 2013-14.**	Cum							
			2	110.00	4.50	0.025	**24.75**	9981.36	**247039.00**
	Basic Rate	9242.00							
	Area Weightage @ 8%	739.36							
	Total	**9981.36**							
15	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**176.25**	72.71	**12814.00**
	Basic rate for haulage 17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							

SINo	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total								**1784124.00**
15	KRIDL Service Charges and Applicable Charges @ 11%								**196254.00**
16	QC Charges @ 1%								**17841.00**
17	Miscellaneous and unforeseen charges							L.s	1781.00
							Total		**2000000.00**
(Rupees Twenty lakhs only)									

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ward No 09

Assistant Executive Engineer
Vidyaranyapura sub Division
BBMP, Bangalore

Executive Engineer
Byatarayanpura Division
BBMP, Bangalore

ADMINISTRATIVELY SANCTIONED FOR Rs 20.00 lacs
Rupees Twenty lacs only
Under P-0190
Subject to conditions contained in
enclosed memo
Dt
Addl Cmr (W2) AS/982/13-14
dated 26/2/2014 Rs 20.00 lacs

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

20.00 lakhs
Twenty lakhs only
P-0190.
EE/BTP/348/13-14, 03/03/14
Dr.
EE (BTP.Div.)
AE/JE

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

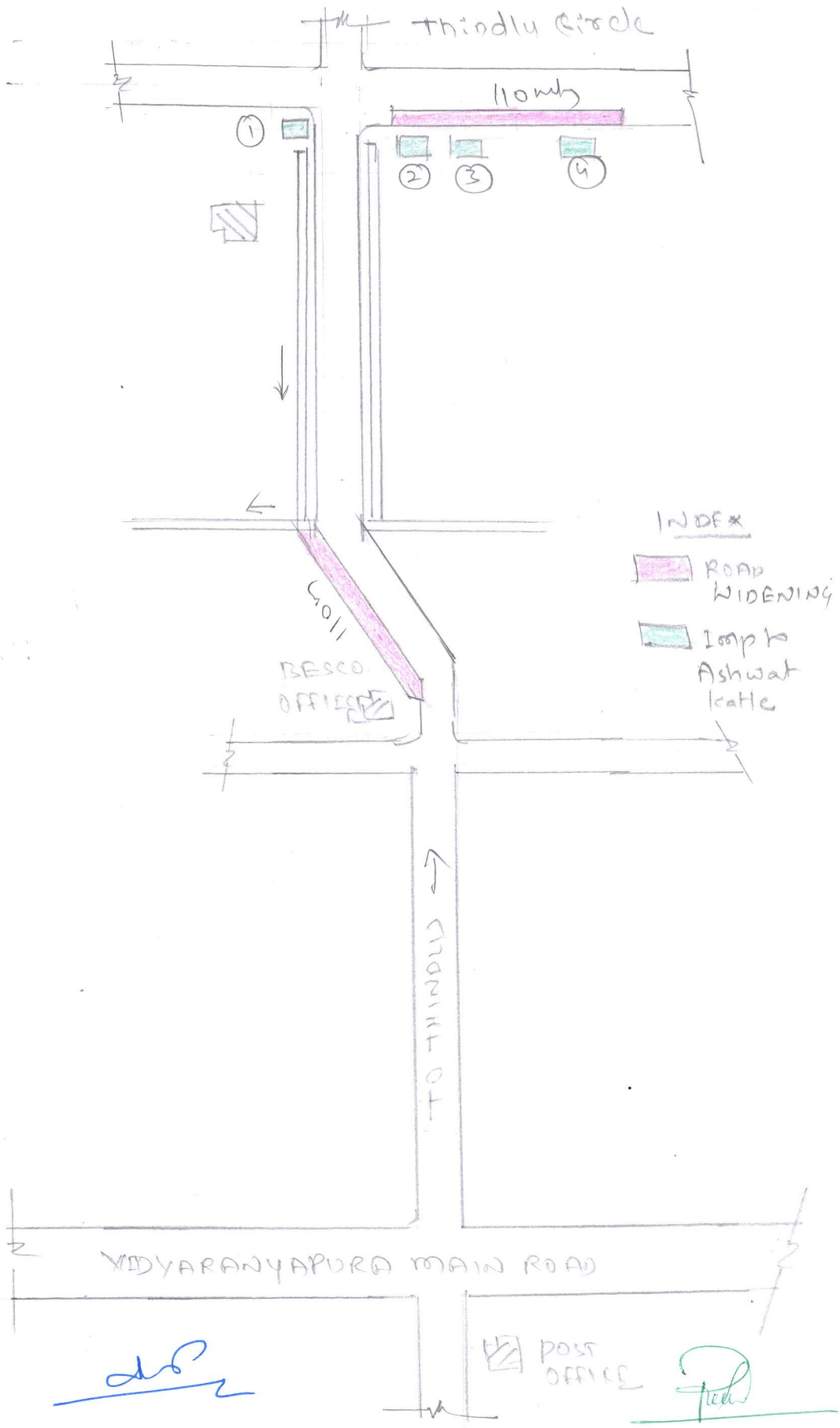
1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer
Ward No. 09

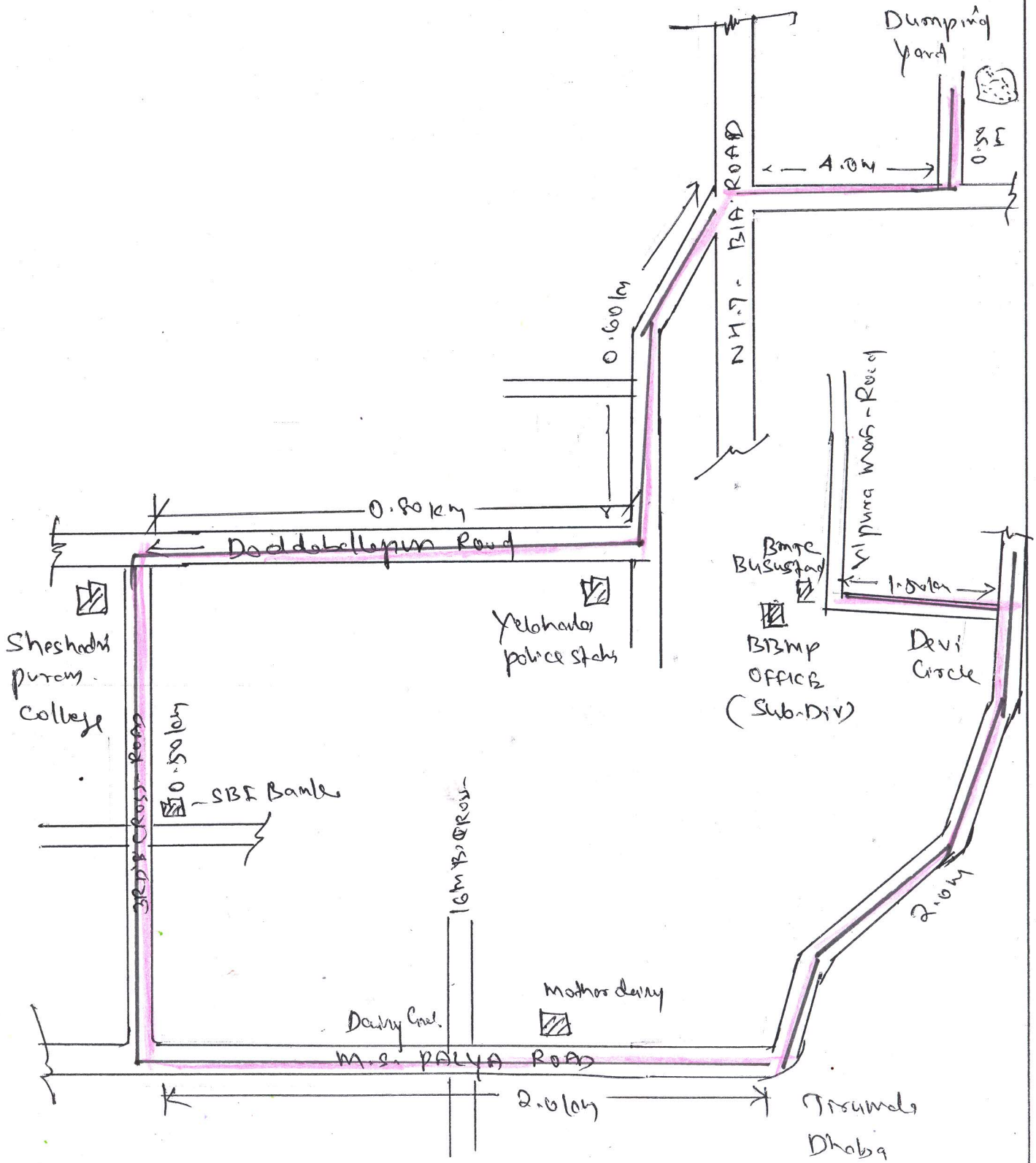
Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Name of Work: Improvements to Roads of Vidyaranyapura Ward No. 09



LEAD CHART FOR DUMPING YARD FOR WARD NO 09



AE-WMS

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.